Welcome

Idaho 55 Corridor Study

Mark Wasdahl, Idaho Transportation Department

Tonight's Meeting

- The Idaho Transportation Department is conducting a study of Idaho 55 from New Meadows to Marsing.
- Tonight's meeting is focusing on the section of Idaho 55 from Banks Lowman Road to New Meadows.

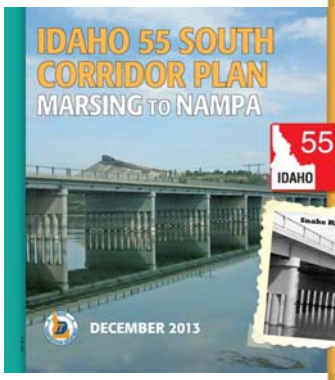
What is the Idaho 55 Corridor Plan

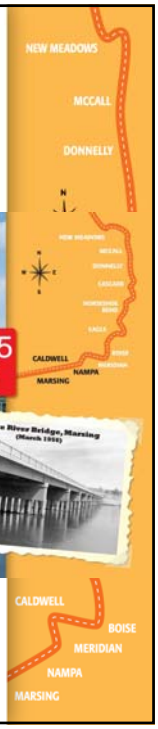
The Idaho 55 Corridor Study will result in three corridor plans (North, Central, South) that cover 134 miles of highway in six counties from New Meadows to Marsing.

- **South Corridor Plan** – ION Junction in Owyhee County to Interstate 84 in Canyon County
- **Central Corridor Plan** – State Street in Ada County to Banks Lowman Road in Boise County
- **North Corridor Plan** – Banks Lowman Road in Boise County to New Meadows in Adams County

Idaho 55 Corridor Plan

- **Each corridor plan will:**
  - Guide roadway policies and projects for the next 20 years.
  - Identify practical solutions and policies to improve safety and functionality for this important highway.
  - Be based on community input, engineering studies and city and county goals.





ITD's Primary Objectives

Our Mission: Your Safety.

- Improvement to be measured through reduction in fatalities and serious injuries.
- Reduction in injuries and fatalities related to distracted and/or impaired driving.
- Increase in seat belt use.
- Impact of corridor-safety initiatives and improvements.

ITD's Primary Objectives

Our Mission: Your Mobility. Your Economic Opportunity.

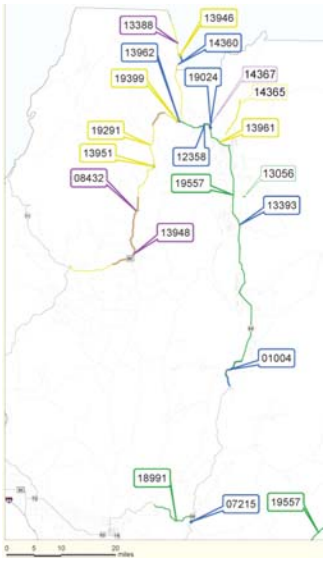
- Success to be measured by increase in Idaho gross domestic product.
- Increase in jobs and business revenues.
- Increase in the efficiency in which goods are transported.
- Reduction in travel times for commuting, commerce, recreation, and tourism.

FY2016 to FY2020 Draft

Idaho Transportation Investment Program

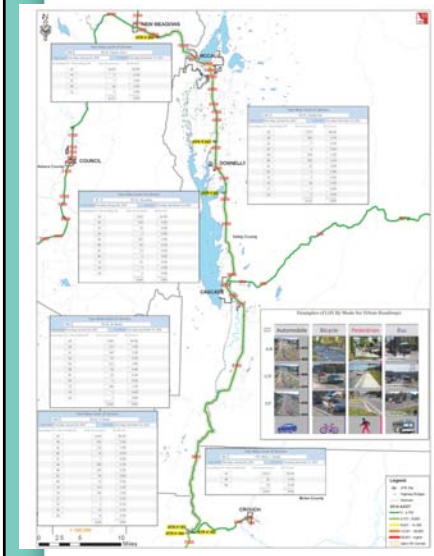
Federal Approval Format for Public Comment — All Costs in Year-of-Expenditure Dollars

Highway Transportation Investments



Fiscal Year	Key Number	Location	Segment Code	Begin Milepost	End Milepost	Work
2016	01004	SH 55, SMITH'S FERRY TO ROUND VALLEY	001990	94.85	101.89	Safety/Traffic Operations
	07215	SH 55, PAYETTE RV BR, HORSESHOE BEND	001990	63.637		Bridge Construction & Approaches
	12358	SH 55, GOOSE CR GRADE, ADAMS CO	001990	149.795	152.31	Resurfacing/Restoration & Rehabilitation
	13393	SH 55, GOLD FORK RV BR, VALLEY CO	001990	128.706	128.735	Bridge Construction & Approaches
	13962	US 95, S END RD TO JCT SH 55, NEW MEADOWS	001540	160.46	160.895	Resurfacing/Restoration & Rehabilitation
	14360	US 95, CURVE FLATTENING MP 172 TO MP 174	001540	172	174	Resurfacing/Restoration & Rehabilitation
	19024	SH 55, GOOSE LAKE RD TURNBAY, ADAMS CO	001990	149.589		Safety/Traffic Operations
2017	08432	US 95, COUNCIL ALTERNATE ROUTE	001540	135.09	136.175	Reconstruction/Realignment
	13388	US 95, LITTLE SALMON RV BR, IDAHO/ADAMS CO	001540	176.554	176.598	Bridge Construction & Approaches
	13948	US 95, MP 121 TO MP 139 BR REPLACEMENTS, ADAMS CO	001540	121.685	138.523	Bridge Construction & Approaches
	13949	US 95, WEISER RV BR & MUD CR BR, ADAMS CO	001540	154.095	157.47	Bridge Construction & Approaches
	14367	GOOSE LAKE RD RECONSTRUCTION	003030	0	3.9	Reconstruction/Realignment
2018	13951	US 95, WEISER RV RR BR, ADAMS CO	001540	145.799		Bridge Construction & Approaches
	13961	SH 55, ZACHARY RD TO GOOSE CR GRADE, VALLEY/ADAMS CO	001990	145.457	152.43	Resurfacing/Restoration & Rehabilitation
	13946	US 95, LITTLE RAINBOW BR, ADAMS CO	001540	174.112		Bridge Construction & Approaches
	14365	WARREN WAGON RD, VALLEY CO	007810	2.23	9.6	Reconstruction/Realignment
	19291	US 95, FY19 SEALCOATS	001540	112.977	181	Preventive Maintenance
	19399	US 95, LITTLE SALMON RIVER BRIDGE	001540	160.227		Bridge Construction & Approaches
2019	13056	E LAKE FORK RD BR, VALLEY CO	002495	103.39	103.655	Bridge Construction & Approaches
	18991	SH 52, SWEET-OLA HWY TO SH-55	002010	45	54.126	Resurfacing/Restoration & Rehabilitation
	19557	SH 55, FY20 RUMBLE STRIPS	001990	97.3	156.052	Safety/Traffic Operations

Idaho 55 Traffic and Level of Service (LOS)

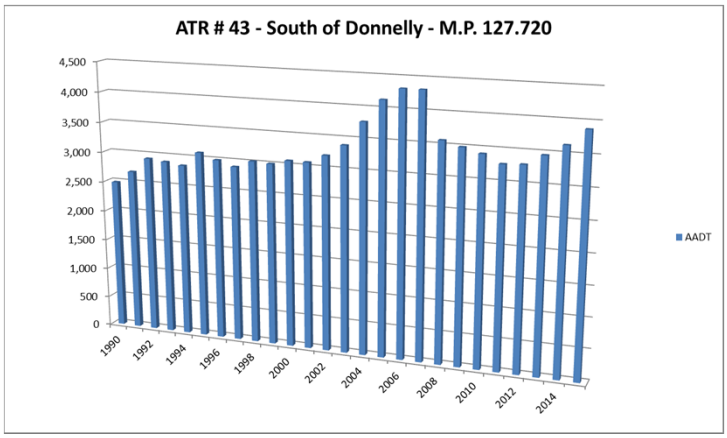


Level of Service (LOS) is measured by:

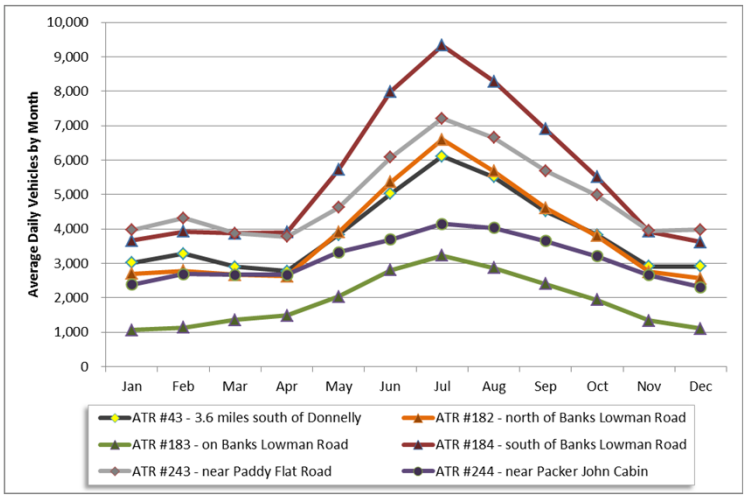
- Annual Average Daily Traffic (AADT) Volumes
- Hourly two-way vehicular traffic

LOS Standard for Rural Highways is "C" or better.

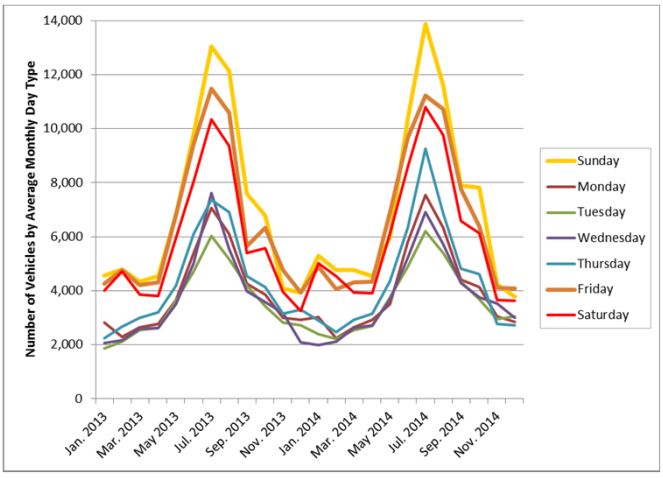
AADT 1990 - 2015



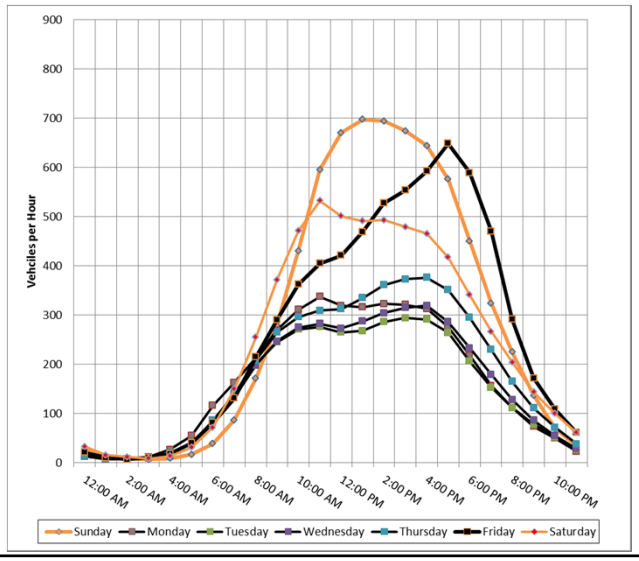
2015 ATR Data by Month



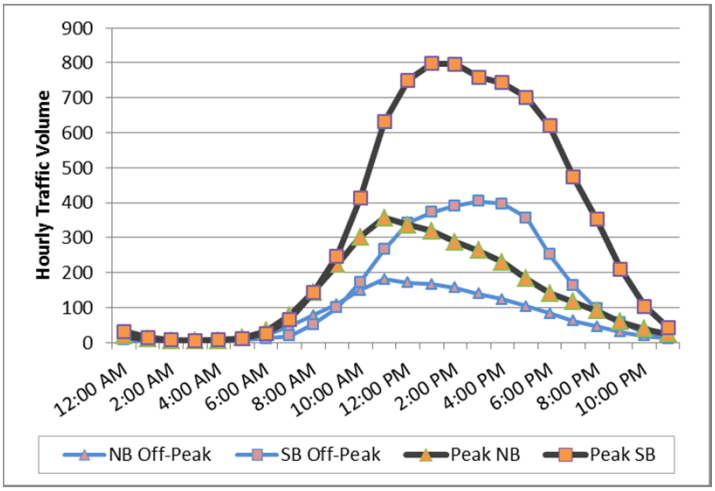
ATR #184 South of Banks Lowman Road Monthly Average Daily Traffic By Day Type



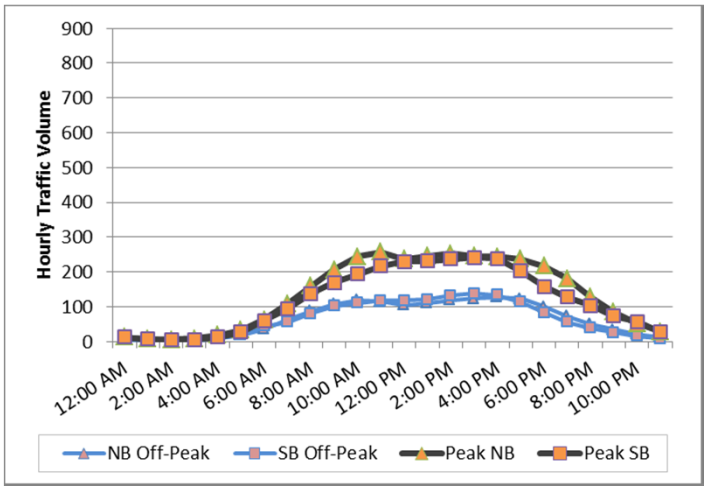
ATR #184 south of Banks Lowman Road Average Vehicles per Hour



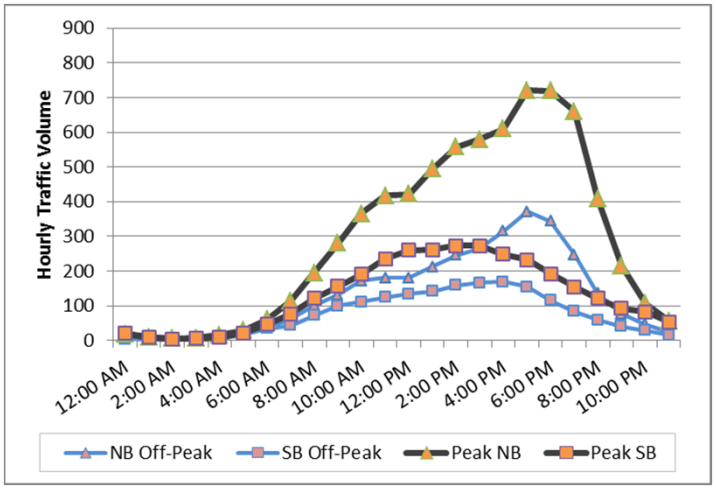
ATR #184 south of Banks Lowman Road Average Sunday Traffic Volume by Direction by Hour



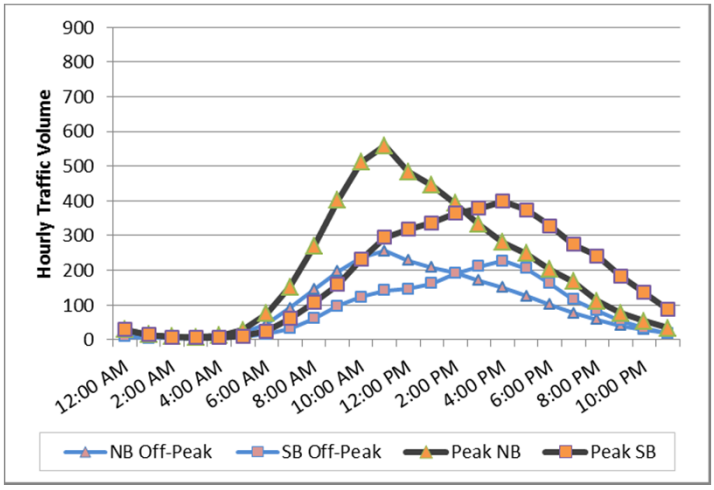
ATR #184 south of Banks Lowman Road Average Monday through Thursday Traffic Volume by Direction by Hour



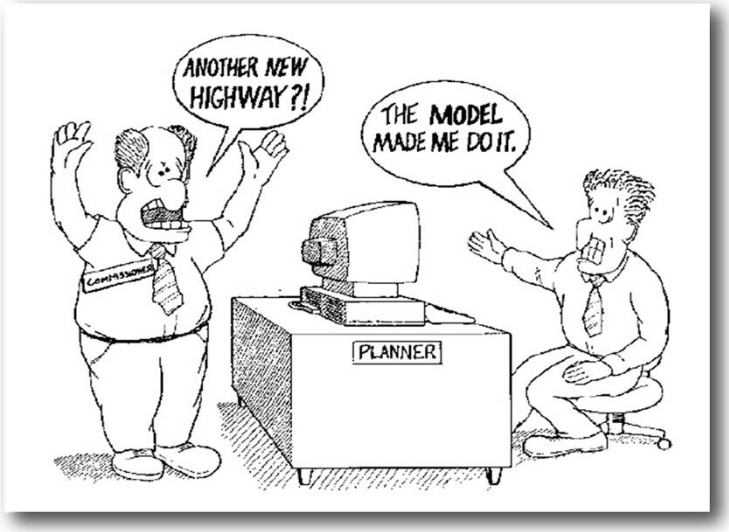
ATR #184 south of Banks Lowman Road Average Friday Traffic Volume by Direction by Hour



ATR #184 south of Banks Lowman Road Average Saturday Traffic Volume by Direction by Hour



Future Traffic Projections



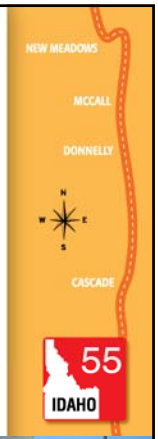
What is Travel Demand Modeling (TDM)

- These are mathematical models that forecast long-term future travel demand based on current conditions and future projections of household and employment characteristics.
- Travel demand models were originally developed to determine the benefits and impact of major highway improvements in metropolitan areas.
- Travel demand models only have limited capabilities to accurately estimate changes in operational characteristics (such as speed, delay, and queuing, etc.) resulting from implementation of ITS/operational strategies.

(ITD Readiness Assessment Team Definition May 2012)

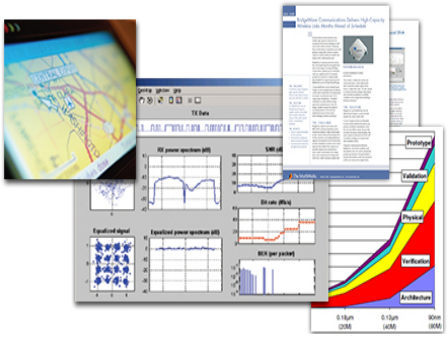
A TDM is:

- A way to forecast future traffic
  - Freight
  - Passenger
- A way to forecast where traffic is going
  - Work
  - Recreation
  - Shopping
- A way to forecast commodity flows
  - Types
  - Raw Materials
  - Finished Product



Types of TDM's

- Sketch Planning Models
- ODEM (Origin-Destinations Matrix Estimation Models) Models
- Three-(or Four) Step Models
- Activity Based Models



Future Population Estimates

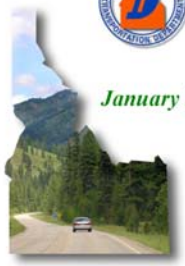
County	2010 Census	2040 Estimate
Adams	3,950	4,590
Boise	7,020	10,390
Valley	9,780	11,630

Intersection Turn Warrants

ToC
000 100
150 200
250 300
350 450
500 600
800 850
900
Mission Logo Signs
Edition Changes
Manuals Menu
Online Manuals
Contact Info
Printable Versions

Traffic Manual

January 2012



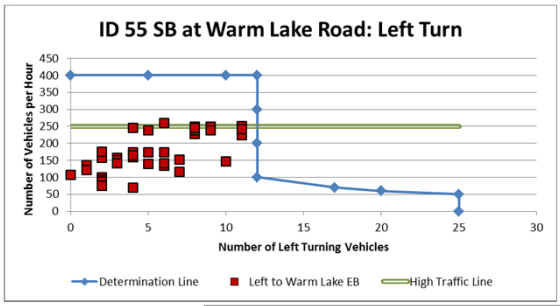
ToC
000 100
150 200
250 300
350 450
500 600
800 850
900
Edition Changes
Manuals Menu
Cover Page

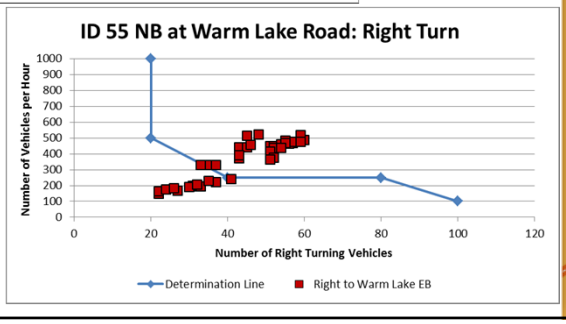
Traffic Highway Approaches Section 450 ToC

SECTION 450.00 – HIGHWAY APPROACHES

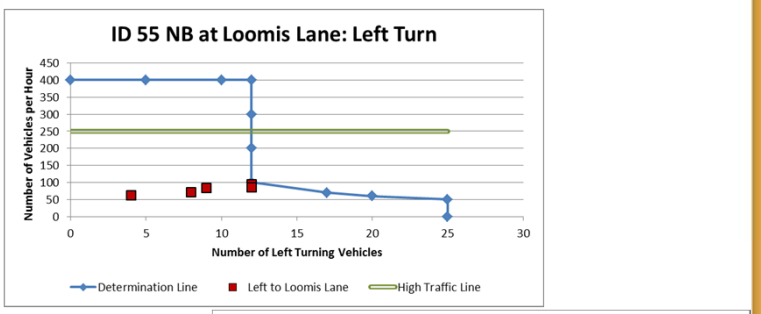
SECTION 451.00 – TURN LANES FOR NEW APPROACHES
451.01 Determining Needs.
451.02 Left-Turn Lanes.
451.03 Right-Turn Lanes.

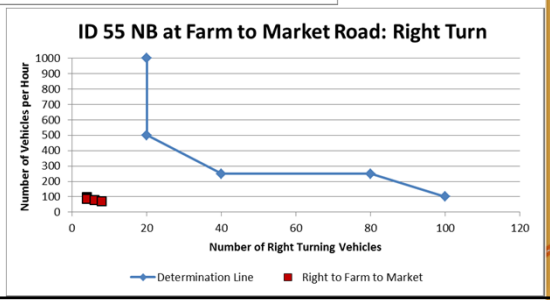
Idaho 55 & Warm Lake Road



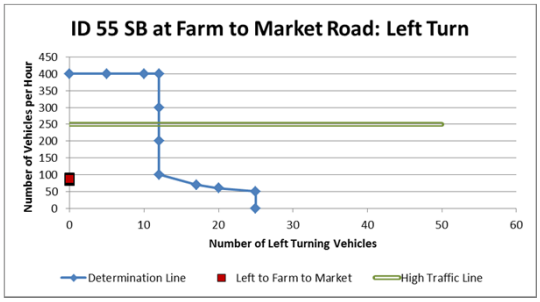


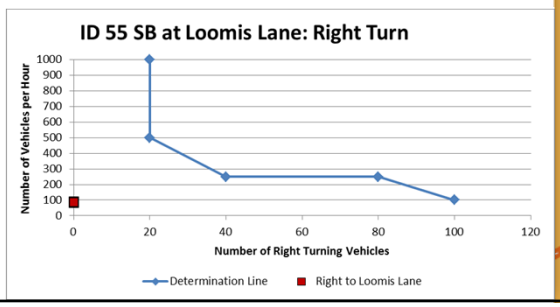
Idaho 55 NB & Loomis Lane / Farm to Market Road



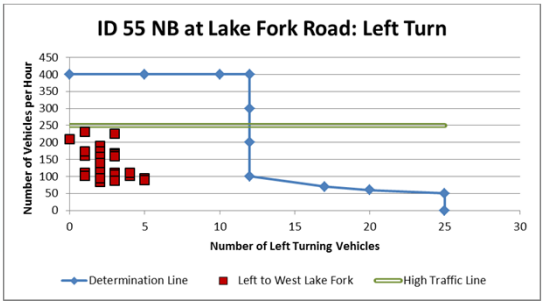


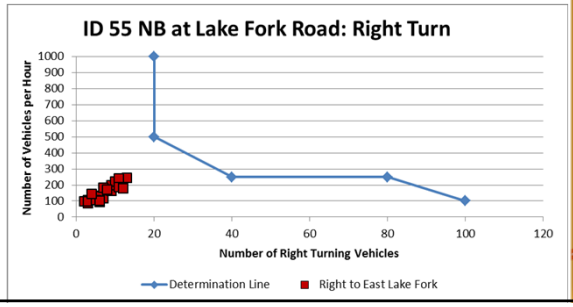
Idaho 55 SB & Farm to Market Road / Loomis Lane



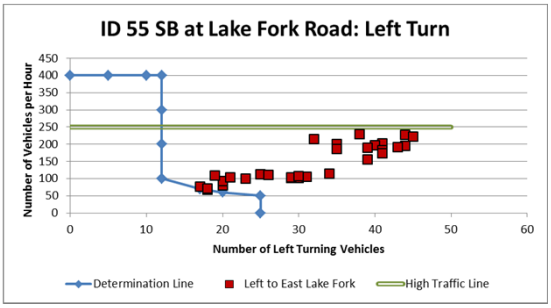


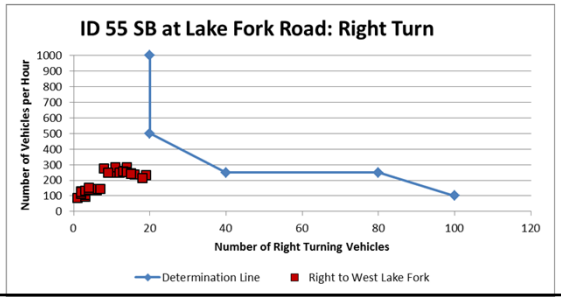
Idaho 55 NB & Lake Fork Road



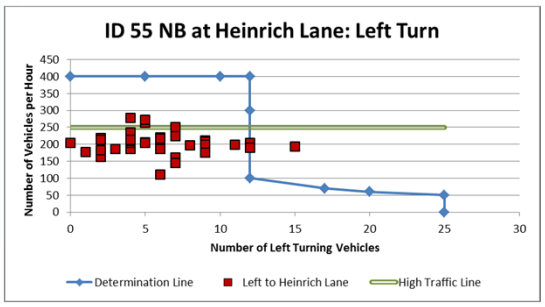


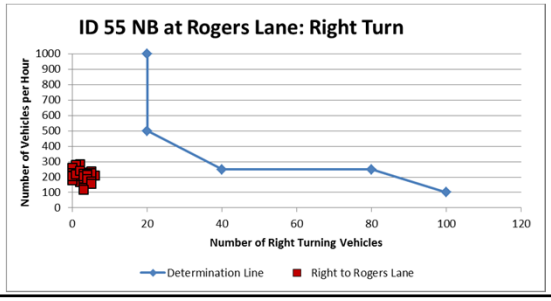
Idaho 55 SB & Lake Fork Road



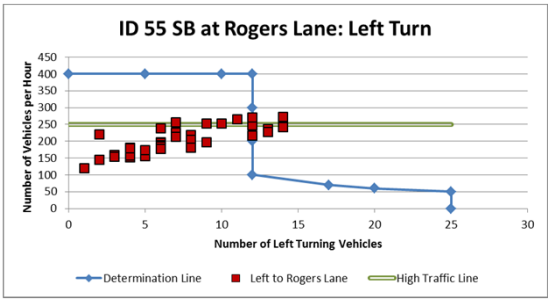


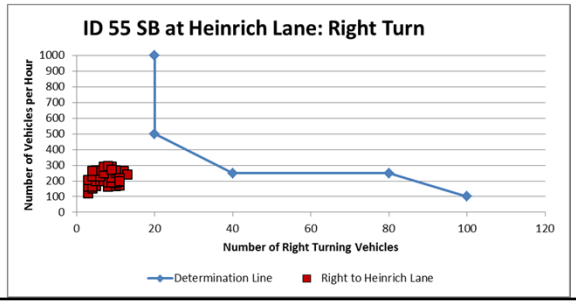
Idaho 55 NB & Heinrich Lane / Rogers Lane



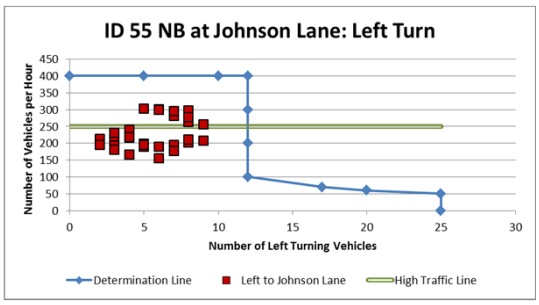


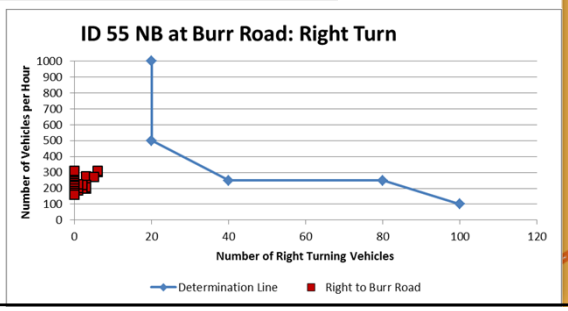
Idaho 55 SB & Rogers Lane / Heinrich Lane



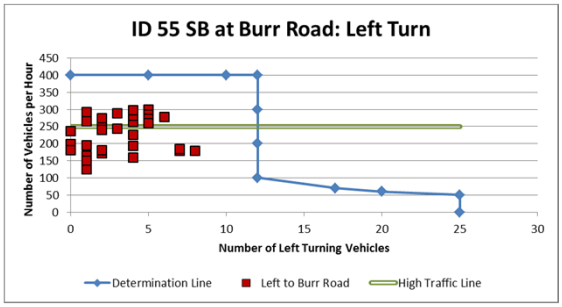


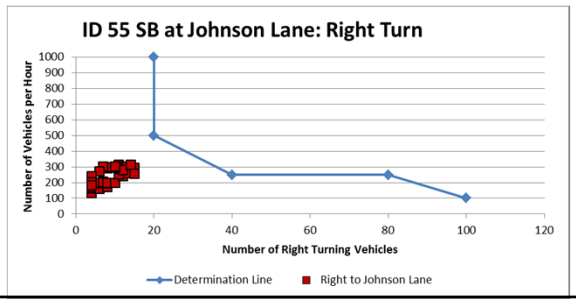
Idaho 55 NB & Johnson Lane / Burr Road



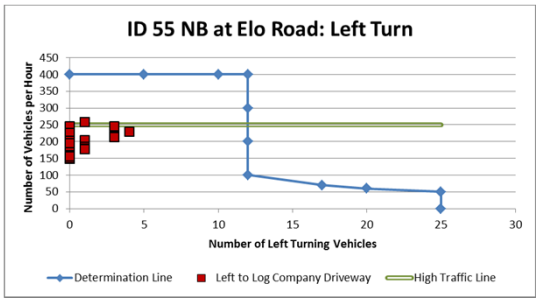


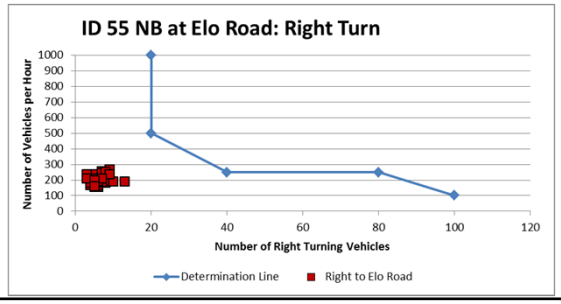
Idaho 55 SB & Burr Road / Johnson Lane



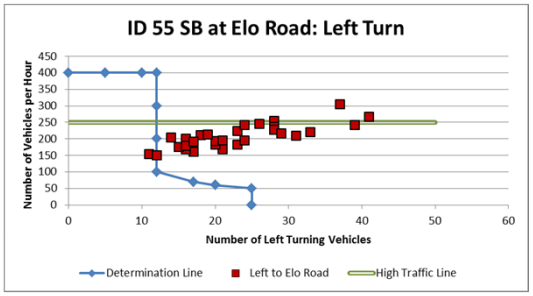


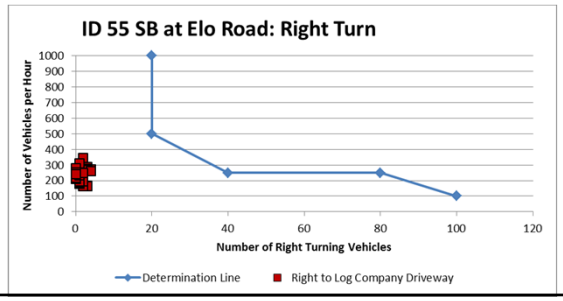
Idaho 55 NB & Elo Road



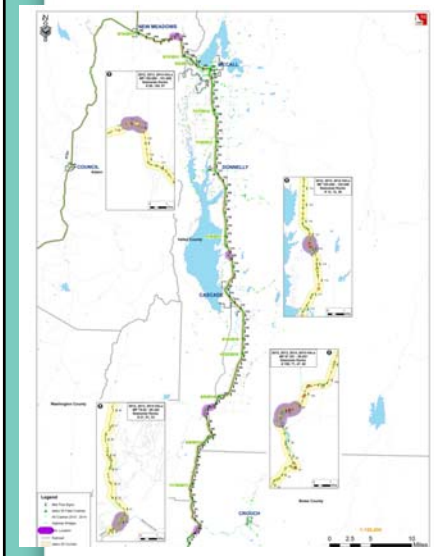


Idaho 55 SB & Elo Road





Idaho 55 Crashes



2010 – 2014 Within ¼ mile of State Highway 55

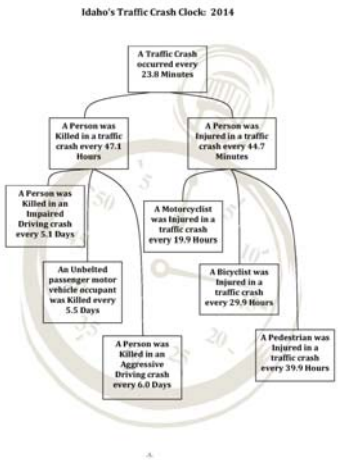
- 749 Total Crashes – 664 on Idaho 55
- 11 Fatal Crashes – All on Idaho 55
- 40 Serious Injury Crashes
- 82 Visible Injury Crashes
- 94 Possible Injury Crashes
- 522 Property Damage Only Crashes
- 16 Domestic Animal Collisions
- 160 Wild Animal Collisions

Office of Highway Safety

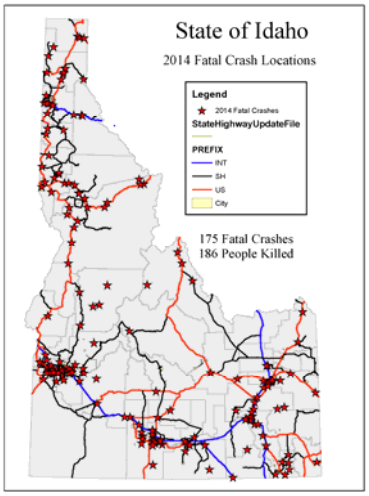
Idaho Traffic Crashes

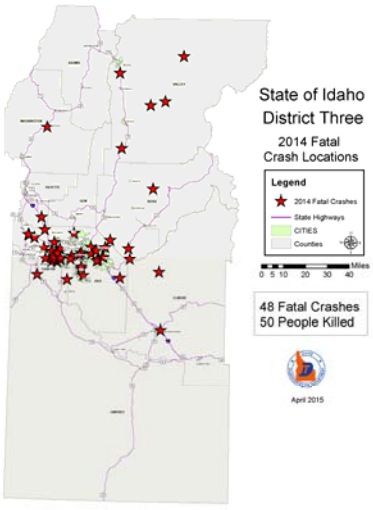
2014

Idaho Transportation Department
Office of Highway Safety



2014 Fatal Crash Locations

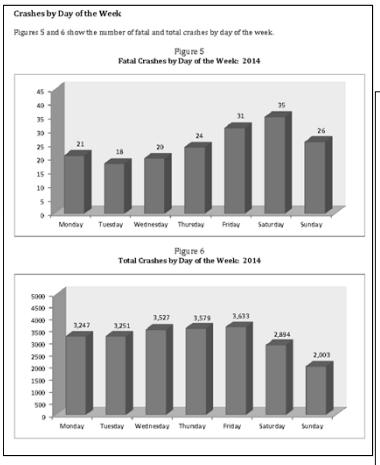


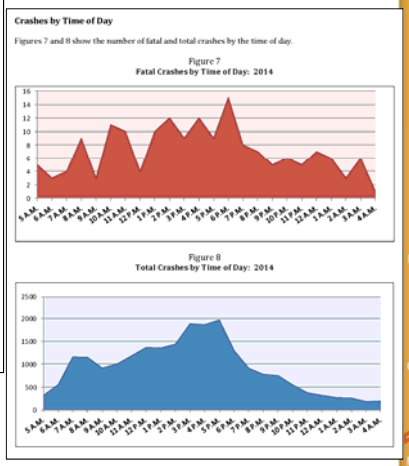


Idaho 55 Fatal Crashes

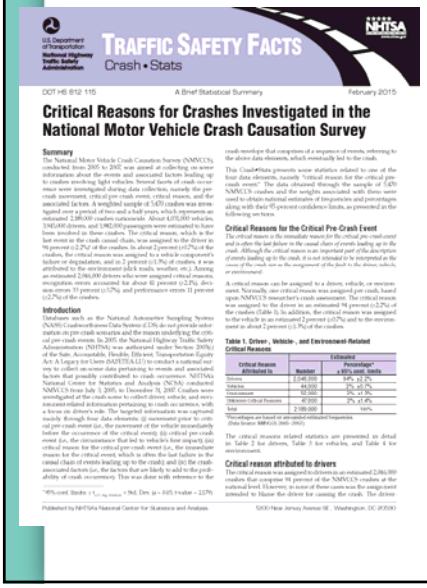
County	City	Mile Post	Day of the week	Time	# of fatalities	# of injuries	Road surface	Weather conditions
Valley	Cascade	109.003	Monday	8/16/10 12:00 PM	1	4	Dry	Clear
Valley	Cascade	107.200	Friday	10/22/10 2:00 AM	1	0	Dry	Cloudy
Valley	Mccall	146.300	Tuesday	5/3/11 4:00 PM	1	0	Dry	Cloudy
Adams	Mccall	147.750	Wednesday	5/11/11 10:00 AM	2	2	Dry	Clear
Adams	New Meadows	155.900	Monday	9/12/11 7:00 PM	1	2	Dry	Clear
Valley	Cascade	123.020	Saturday	11/5/11 9:00 AM	1	2	Ice	Clear
Valley	Banks	86.700	Saturday	11/19/11 11:00 AM	1	3	Slush	Snow
Valley	Cascade	92.500	Sunday	6/9/13 2:00 PM	1	0	Dry	Clear
Valley	Lake Fork	135.170	Monday	7/15/13 6:00 PM	1	0	Dry	Clear
Valley	Cascade	100.600	Monday	6/9/14 11:00 AM	3	3	Dry	Clear
Valley	Lake Fork	138.773	Thursday	7/17/14 1:00 PM	1	1	Dry	Clear

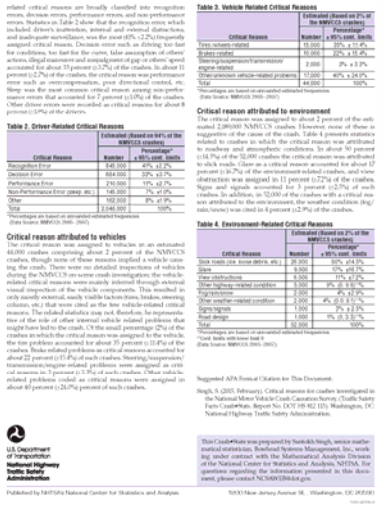
Crash Occurrence by Day and Time





Critical Reasons for Crashes





Idaho Statewide Crash Contributing Circumstances 2014

Figure 3
Single-Vehicle Crashes - Contributing Circumstances: 2014

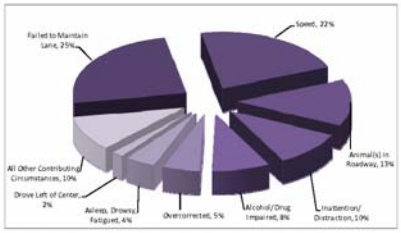
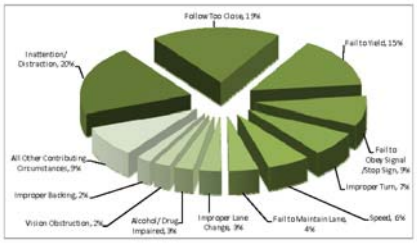
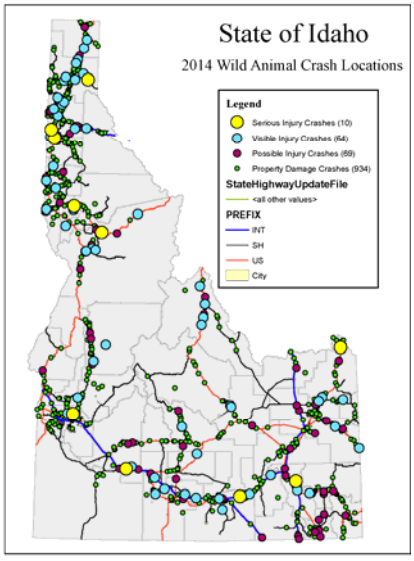


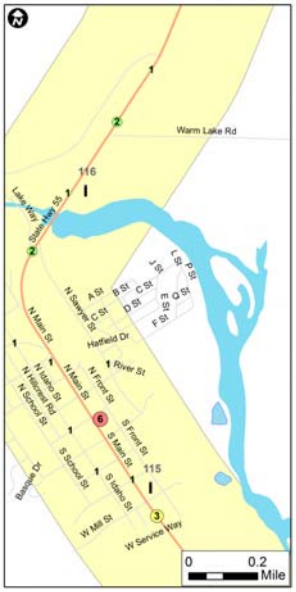
Figure 4
Multiple-Vehicle Crashes - Contributing Circumstances: 2014



Idaho Statewide Wild Animal Crash Locations 2014



Crashes at Idaho 55 & Warm Lake Road



Two Crashes

- (1) Possible Injury Crash
- (1) Property Damage Only Crash

Crashes at Idaho 55 & Loomis Lane

Nine Crashes

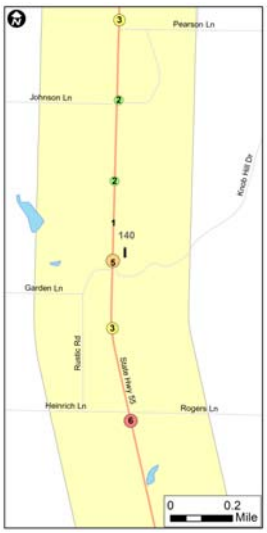
- (1) Serious Injury Crash
- (1) Visible Injury Crash
- (2) Possible Injury Crashes
- (5) Property Damage Only Crashes

Crashes at Idaho 55 & Lake Fork Road

Three Crashes

- (1) Possible Injury Crash
- (2) Property Damage Only Crashes

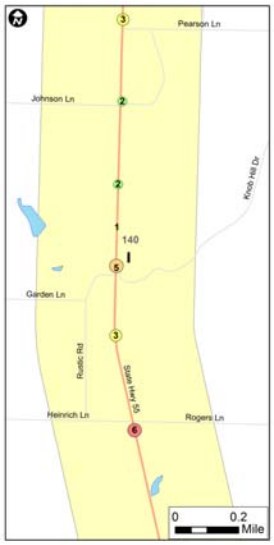
Crashes at Idaho 55 & Heinrich Lane / Rogers Lane



Six Crashes

- (2) Visible Injury Crashes
- (1) Possible Injury Crash
- (3) Property Damage Only Crashes

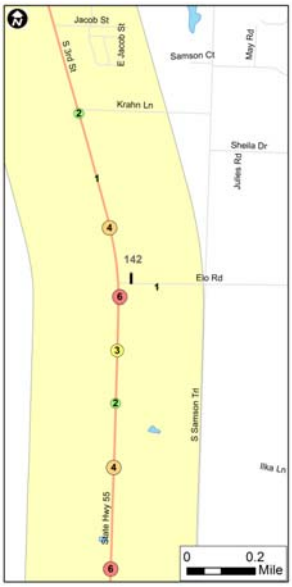
Crashes at Idaho 55 & Johnson Lane / Burr Road



Two Crashes

- (2) Property Damage Only Crashes

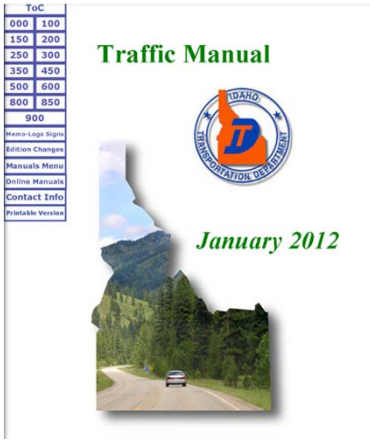
Crashes at Idaho 55 & Elo Road



Six Crashes

- (1) Possible Injury Crash
- (5) Property Damage Only Crashes

Idaho 55 Speed Zones



Traffic Traffic Studies

SECTION 100.00 – TRAFFIC STUDIES

SECTION 101.00 – CRASH REPORTS
101.01 General.
101.02 Crash Report.
101.03 Accuracy of Crash Reporting.
101.04 High Accident Location (HAL) Study.
101.05 Fatal Crash Investigation.
101.05.01 Office of Highway Operations and Safety Responsibilities.
101.05.02 District Responsibilities.
101.06 Traffic Hazard Investigation.
101.06.01 The Office of Highway Operations and Safety will:
101.06.02 The District will:
101.07 Project Improvement Evaluations.
101.08 Highway Safety Improvement Projects (HSIP).

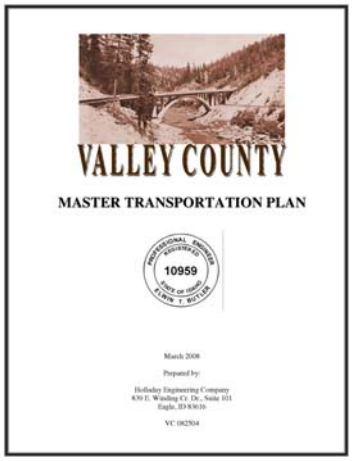
SECTION 102.00 – STOP AND YIELD SIGNS
102.01 General.
102.02 Legal Authority.

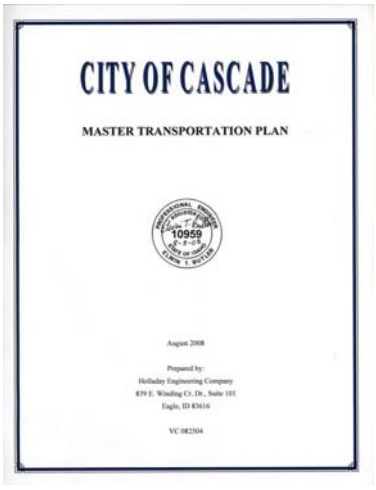
SECTION 103.00 – SPEED ZONING
103.01 Legal Authority.
103.02 Speed Minute Entry.
103.03 Speed Zoning Concepts.
103.04 Traffic And Engineering Investigation.
103.05 Speed Studies.
103.06 MINIMUM SPEED LIMITS.
103.07 Advisory Speed Limits.
103.08 School Zones.
103.09 Differential Speed Limits.
103.10 Work Zone Speeds.

SECTION 104.00 – PARKING
104.01 General.
104.02 Parking And No Parking Minute Entries.
104.03 Angle Parking Minute Entries.
104.04 Parking Studies.

SECTION 105.00 - TRANSPORTATION IMPACT STUDY
105.01 General.

Local Planning Documents





Community Input

- Today you will have the opportunity to:
  - Identify transportation needs between Banks Lowman Road to New Meadows.
  - Review and comment on proposed improvements.

Next Steps

- ITD will review your comments and finish drafting the corridor plan.
- If you signed in today, ITD will distribute the draft corridor plan for your review and comment this spring.
- Once comments have been received on the corridor plan, ITD will review and finalize the corridor plan this summer.

Thank You for Attending!

Visit http://itd.idaho.gov/projects/d3/ID55Corridor/

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